

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)		
Overman, et al.)	Art Unit:	To Be Determined
)		
Application No.: To Be Determined)	Examiner:	To Be Determined
)		
Filed: Herewith, March 30, 2004)		
)		
For: Hexahydropyrollo[1,2-C])		
Pyrimidines as Antiviral, Antifungal)		
and/or Antitumor Agents)		

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

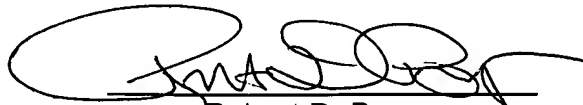
Pursuant to 37 C.F.R Section 1.56, Applicants wish to call the attention of the Examiner to the references that are listed on the attached PTO forms 1449. No copies of the references are being provided per 37 C.F.R. 1.98(d), since all of the references were cited by or submitted to the Office in parent application Serial No. 10/018,630.

No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The disclosed references are printed in the English language and/or accompanied by an Abstract published in the English language.

The disclosed references, when taken alone or in combination, are not believed to disclose nor make obvious the invention as claimed in the subject application.

Respectfully submitted,

Dated: March 30, 2004



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Notice of References Cited	Application/Control No. 10/018,630	Applicant(s)/Patent Under Reexam Overman et al.	
	Examiner Deepak Rao	Art Unit 1624	Page 1 of 1

U.S. PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
A	6,028,077	2/2000	Rinehart et al.	514	267
B					
C					
D					
E					
F					
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FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²	
N	WO 98/46575	10/1998	WO	Shi et al.	----	----
O	WO 93/01193	1/1993	WO	Mai et al.	----	----
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	Coffey et al., A Practical Entry to the Crambescidin Family of Guanidine Alkaloids, J. Am. Soc., 122(20), pp. 4893-4903, 2000.
V	Simone, Oncology: Introduction, Cecil Textbook of Medicine, 20th Edition, Vol. 1, pp. 1004-10, 1996.
W	Douglas, Jr. Introduction to Viral Diseases, Cecil Textbook of Medicine, 20th Edition, Vol. 2, pp. 1739-47, 1996.
X	

* A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

¹ Dates in MM-YYYY format are publication dates.

² Classifications may be U.S. or foreign.

Docket Number (Optional) UCIVN-033A

Application Number 10/018,630

Applicant **Overman, et al.**

Filing Date: 12/14/01

Group Art Unit 1624

EXAMINER
INITIAL

DOCUMENT NUMBER

DATE _____

NAME _____

CLASS

SUBCLASS

RULING DATE
IF APPROPRIATE

DOCUMENT NUMBER

DATE _____

COUNTRY

· CLASS

SUBCLASS

TRANSLATION

YES	NO
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Sonia J. Lupien et al., "The modulatory effects of corticosteroids on cognition: studies in young human populations", *Psychoneuroendocrinology*, Vol. 27 (2002), p. 401-416

R. Tavares et al., "Isolation of Crambesidin 800 from *Monanchora Arbusula* (Porifera)", Biochemical Systematics and Ecology, Vol. 22, No. 6 (1994), pp. 645-646

Michael R. Boyd et al., "Some Practical Considerations and Applications of the National Cancer Institute in Vitro Anticancer Drug Discovery Screen", *Drug Development Research*, Vol. 34 (1995) pp. 91-109

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.
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DATE CONSIDERED

* Substitute Disclosure Statement Form (PTO-1449) Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number 30447.1USWO	Application Number 10/018,630
	Applicant Larry E. Overman et al.	
	Filing Date December 14, 2001	Group Art Unit 1624

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,756,734 (Exhibit 1)	05/26/98	Rinehart et al.			06/07/95
	5,952,332 (Exhibit 2)	09/14/99	Rinehart et al.			03/18/98
	6,028,077 (Exhibit 3)	02/22/00	Rinehart et al.			04/10/98

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Alley, Michael C. et al., "Feasibility of Drug Screening with Panels of Human Tumor Cell Lines Using a Microculture Tetrazolium Assay," <i>Cancer Research</i> , 48:589-601, 1988 (Exhibit 4)
		Ando, Sumie et al., "Ring-Enlarging Cyclohexane Annulations," <i>The Journal of Organic Chemistry</i> , 62:6379-87, 1997 (Exhibit 5)
		Baganz, Horst and Lothar Domaschke, "Über 1.3-Dioxolane, I: Darstellung von 2-Alkoxy-1.3-dioxolanen," <i>Chemische Berichte</i> , 91:650-3, 1958 (Exhibit 6)
		Beck, Albert K. et al., "Gorssansätze zur Herstellung von α,α',α'' -Tetraaryl-1,3-dioxolan-4,5-dimethanolen (TADDOLe): Nützliche Hilfsstoffe für die EPC-Synthese und ihre Struktur im Festkörper," <i>Chimia</i> , 45:238-244, 1991 (Exhibit 7)
		Berlinck, R. G. S. et al., "Polycyclic Guanidine Alkaloids from the Marine Sponge <i>Crambe Crambe</i> and Ca ⁺⁺ Channel Blocker Activity of Crambescidin 816," <i>Journal of Natural Products</i> , 56:1007-15, 1993 (Exhibit 8)
		Bernatowicz, Michael S. et al., "1H-Pyrazole-1-carboxamide Hydrochloride: An Attractive Reagent for Guanylation of Amines and Its Application to Peptide Synthesis," <i>Journal of Organic Chemistry</i> , 57:2497-502, 1992 (Exhibit 9)
		Boyd, M. R. et al., "Data Display and Analysis Strategies for the NCI Disease-Oriented In Vitro Antitumor Drug Screen," <i>Cytotoxic Anticancer Drugs: Models and Concepts for Drug Discovery and Development</i> , Frederick A. Valeriote et al. (eds.), Kluwer Academic Publishers, MA, 11-34, 1990 (Exhibit 10)
		Burgess, Kevin et al., "Asymmetric Syntheses of Protected Derivatives of Carnosadine and Its Stereoisomers as Conformationally Constrained Surrogates for Arginine," <i>Journal of Organic Chemistry</i> , 59:2179-85, 1994 (Exhibit 11)

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	Applicant Larry E. Overman et al.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Castro, B. et al., "Reactifs de Couplage Peptidique IV (1) - L'Hexafluorophosphate de Benzotriazolyl N-Oxytrisdemethylamino Phosphonium (B.O.P.)," <i>Tetrahedron Letters</i> , 14:1219-22, 1975 (Exhibit 12)
		Cava, M. P. et al., "The Synthesis of Caseadine Methyl Ether," <i>Journal of Organic Chemistry</i> , 34:2665-7, 1969 (Exhibit 13)
		Chang, George et al., "An Internal Coordinate Monte Carlo Method for Searching Conformational Space," <i>Journal of the American Chemical Society</i> , 111:4379-86, 1989 (Exhibit 14)
		Coffey, D. Scott et al., "Enantioselective Total Syntheses of 13,14,15-Isocrambescidin 800," <i>Journal of the American Chemical Society</i> , 121:6944-5, 1999 (Exhibit 15)
		Coffey, D. Scott et al., "Enantioselective Total Syntheses of 13,14,15-Isocrambescidin 800 and 13,14,15-Isocrambescidin 657," <i>Journal of the American Chemical Society</i> , 122:4904-14, 2000 (Exhibit 16)
		Coffey, D. Scott et al., "Preparation of (3S)-N,N-1,7-Bis-tert-butoxycarbonyl-3-hydroxyspermidine in High Enantiomeric Purity," <i>Journal of Organic Chemistry</i> , 64:8741-2, 1999 (Exhibit 17)
		Cohen, Frederick et al., "Asymmetric Total Synthesis of Batzelladine D," <i>Organic Letters</i> , 1:2169-72, 1999 (Exhibit 18)
		Dale, James A. et al., "α-Methoxy-α-trifluoromethylphenylacetic Acid, a Versatile Reagent for the Determination of Enantiomeric Composition of Alcohols and Amines," <i>Journal of Organic Chemistry</i> , 34:2543-9, 1969 (Exhibit 19)
		Dale, James A. and Harry S. Mosher, "Nuclear Magnetic Resonance Enantiomer Reagents. Configurational Correlations via Nuclear Magnetic Resonance Chemical Shifts of Diastereomeric Mandelate, O-Methylmandelate, and α-Methoxy-α-trifluoromethylphenylacetate (MTPA) Esters," <i>Journal of the American Chemical Society</i> , 95:512-9, 1973 (Exhibit 20)
		Dess, D. B. and J. C. Martin, "Readily Accessible 12-I-5 Oxidant for the Conversion of Primary and Secondary Alcohols to Aldehydes and Ketones," <i>Journal of Organic Chemistry</i> , 48:4155-6, 1983 (Exhibit 21)
		Deziel, Robert, "Mild Palladium (0)-Catalyzed Deprotection of Allyl Esters: A Useful Application in the Synthesis of Carbapenems and Other β-Lactam Derivatives," <i>Tetrahedron Letters</i> , 28:4371-2, 1987 (Exhibit 22)
		Fujino, Masahiko et al., "Further Studies on the Use of Multi-substituted Benzenesulfonyl Groups for Protection of the Guanidino Function of Arginine," <i>Chemical & Pharmaceutical Bulletin</i> , 29:2825-31, 1981 (Exhibit 23)
		Garegg, Per J. and Bertil Samuelsson, "Novel Reagent System for converting a Hydroxy-group into an Iodo-group in Carbohydrates with Inversion of Configuration. Part 2," <i>J. Chem. Soc., Perkin Trans. 1</i> , 2866-9, 1980 (Exhibit 24)
		Garigipati, Ravi S. et al., "Total Synthesis of (+)-Actinobolin," <i>Journal of the American Chemical Society</i> , 107:7790-2, 1985 (Exhibit 25)
		Huckin, Stuart N. and Larry Weiler, "Alkylation of Dianions of β-Keto Esters," <i>Journal of the American Chemical Society</i> , 96:1082-7, 1974 (Exhibit 26)
		Jares-Erijman, Elizabeth A. et al., "Crambescidins: New Antiviral and Cytotoxic Compounds from the Sponge <i>Crambe crambe</i> ," <i>Journal of Organic Chemistry</i> , 56:5712-15, 1991 (Exhibit 27)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Jares-Erijman, Elizabeth A. et al., "Polycyclic Guanidine-Containing Compounds from the Mediterranean Sponge <i>Crambe crambe</i> : The Structure of 13,14,15-Isocrambescidin 800 and the Absolute Stereochemistry of the Pentacyclic Guanidine Moieties of the Crambescidins," <i>Journal of Organic Chemistry</i> , 58:4805-8, 1993 (Exhibit 28)
		Kappe, C. Oliver, "100 Years of the Biginelli Dihydropyrimidine Synthesis," <i>Tetrahedron</i> , 49:6937-63, 1993 (Exhibit 29)
		Kappe, C. Oliver, "A Reexamination of the Mechanism of the Biginelli Dihydropyrimidine Synthesis: Support for an <i>N</i> -Acyliminium Ion Intermediate," <i>Journal of Organic Chemistry</i> , 62:7201-4, 1997 (Exhibit 30)
		Kashman, Yoel et al. "Ptilomycalin A: A Novel Polycyclic Guanidine Alkaloid of Marine Origin," <i>Journal of the American Chemical Society</i> , 111:8925-6, 1989 (Exhibit 31)
		Kitamura, Masato et al., "Asymmetric Hydrogenation of 3-oxo Carboxylates Using Binap-Ruthenium Complexes: (R)-(-)-Methyl 3-Hydroxybutanoate," <i>Organic Synthesis</i> , 71:1-13, 1993 (Exhibit 32)
		Loibner, Hans and Erich Zbiral, "Reaktionen mit phosphororganischen Verbindungen. XLI(1): Neuartige synthetische Aspekte des Systems Triphenylphosphin-Azodicarbonsäureester-Hydroxyverbindung," <i>Helvetica Chimica Acta</i> , 59:2100-13, 1976 (Exhibit 33)
		Mancuso, Anthony J. et al., "Oxidation of Long-Chain and Related Alcohols to Carbonyls by Dimethyl Sulfoxide "Activated" by Oxalyl Chloride," <i>Journal of Organic Chemistry</i> , 43:2480-2, 1978 (Exhibit 34)
		McDonald, Andrew I. et al., "Tuning Stereoselection in Tethered Biginelli Condensations. Synthesis of <i>cis</i> - or <i>trans</i> -1-Oxo- and 1-Iminohexahydropyrrolo[1,2- <i>c</i>] pyrimidines," <i>Journal of Organic Chemistry</i> , 64:1520-8, 1999 (Exhibit 35)
		Metais, Eric et al., "Halide-Terminated <i>N</i> -Acyliminium Ion-Alkyne Cyclizations: A New Construction of Carbacephem Antibiotics," <i>Journal of Organic Chemistry</i> , 62:9210-16, 1997 (Exhibit 36)
		Monks, Anne et al., "Feasibility of a High-Flux Anticancer Drug Screen Using a Diverse Panel of Cultured Human Tumor Cell Lines," <i>Journal of the National Cancer Institute</i> , 83:757-66, 1991 (Exhibit 37)
		Nakajima, Noriyuki et al., "MPM (4-Methoxybenzyl) Protection of Hydroxy Functions Under Mild Acidic Conditions," <i>Tetrahedron Letters</i> , 29:4139-42, 1988 (Exhibit 38)
		Ohizumi, Yasushi et al., "Ptilomycalin A, a novel Na ⁺ , K ⁺ - or CA ²⁺ -ATPase inhibitor, competitively interacts with ATP at its binding site," <i>European Journal of Pharmacology</i> , 310:95-8, 1996 (Exhibit 39)
		Ohtani, Ikuko et al., "Structure and Chemical Properties of Ptilomycalin A," <i>Journal of the American Chemical Society</i> , 114:8472-9, 1992 (Exhibit 40)
		Overman, Larry E. and Michael H. Rabinowitz, "Studies toward the Total Synthesis of (+)-Ptilomycalin A: Use of a Tethered Biginelli Condensation for the Preparation of an Advanced Tricyclic Intermediate," <i>Journal of Organic Chemistry</i> , 58:3235-7, 1993 (Exhibit 41)
		Overman, Larry E. et al., "Enantioselective Total Synthesis of (-)-Ptilomycalin," <i>Journal of the American Chemical Society</i> , 117:2657-8, 1995 (Exhibit 42)
		Patil, Ashok D. et al., "Novel Alkaloids from the Sponge <i>Batzella</i> sp.: Inhibitors of HIV gp120-Human CD4 Binding," <i>Journal of Organic Chemistry</i> , 60:1182-8, 1995 (Exhibit 43)

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	Patil, Ashok D. et al., "Three New Tricyclic Guanidine Alkaloids from the Sponge <i>Batzella</i> sp.," <i>Journal of Natural Products</i> , 60:704-7, 1997 (Exhibit 44)
	Patil, Ashok D. et al., "Batzelladines F-I, Novel Alkaloids from the Sponge <i>Batzella</i> sp.: Inducers of p56 ^{lck} -CD4 Dissociation," <i>Journal of Organic Chemistry</i> , 62:1814-9, 1997 (Exhibit 45)
	Paull, K. D. et al., "The 'Mean Graph' - A Graphic Pattern Display Format to Depict Differential Growth Inhibition, and 'Compare' - A Pattern Recognition System Which Can Identify Structurally Similar or Mechanistically Similar Test Agents from In Vitro Screening Data," <i>Proceedings of the American Association for Cancer Research</i> , 29:488, 1988 (Exhibit 46)
	Paull, K. D. et al., "Display and Analysis of Patterns of Differential Activity of Drugs Against Human Tumor Cell Lines: Development of Mean Graph and COMPARE Algorithm," <i>Journal of the National Cancer Institute</i> , 81:1088-92, 1989 (Exhibit 47)
	Posner, Gary H. and Carl M. Lentz, "A Directing Effect of Neighboring Aromatic Groups on the Regiochemistry of Formation and on the Stereochemistry of Alkylation and Bromination of Ketone Lithium Enolates. Evidence for Lithium - Arene π Coordination and for a Dramatic Effect of Even Small Amounts of Copper(I) in Controlling Stereochemistry and in Limiting Polyalkylation," <i>Journal of the American Chemical Society</i> , 101:934-46, 1979 (Exhibit 48)
	Roush, William R. and Herbert R. Gillis, "Improved Synthesis of the Perhydroindenone Precursor of Dendrobine," <i>Journal of Organic Chemistry</i> , 45:4283-7, 1980 (Exhibit 49)
	Rubinstein, L. V. et al., "Comparison of In Vitro Anticancer-Drug-Screening Data Generated With a Tetrazolium Assay Versus a Protein Assay Against a Diverse Panel of Human Tumor Cell Lines," <i>Journal of the National Cancer Institute</i> , 82:1113-8, 1990 (Exhibit 50)
	Seebach, Dieter et al., "Chirale Alkoxytitan(IV)-Komplexe für enantioselektive nucleophile Additionen an Aldehyde und als Lewis-Säuren in Diels-Alder-Reaktionen," <i>Helvetica Chimica Acta</i> , 70:954-74, 1987 (Exhibit 51)
	Seebach, Dieter et al., "On the Mechanisms of Enantioselective Reactions Using $\alpha,\alpha',\alpha',\alpha'$ -Tetraaryl-1,3-dioxolane-4,5-dimethanol (TADDOL)-Derived Titanates: Differences between C ₂ - and C ₁ -Symmetrical TADDOLs-Facts, Implications and Generalizations," <i>Helvetica Chimica Acta</i> , 75:2171-209, 1992 (Exhibit 52)
	Sharpless, K. Barry and Donald R. Williams, "The Reactions of Olefins with Permanganate, Ruthenium Tetroxide, and Osmium Tetroxide; Dependence of Rate on Degree of Substitution," <i>Tetrahedron Letters</i> , 35:3045-50, 1975 (Exhibit 53)
	Shoemaker, Robert H. et al., "Development of Human Tumor Cell Line Panels for Use In Disease-Oriented Drug Screening," <i>Prediction of Response to Cancer Therapy</i> , Alan R. Liss, Inc., NY, Thomas C. Hall (ed.), 265-86, 1988 (Exhibit 54)
	Singh, Ashok K. et al., "Total Synthesis of (\pm)-Atractyligenin," <i>Journal of the American Chemical Society</i> , 109:6187-9, 1987 (Exhibit 55)
	Skehan, Philip et al., "New Colorimetric Cytotoxicity Assay for Anticancer-Drug Screening," <i>Journal of the National Cancer Institute</i> , 82:1107-12, 1990 (Exhibit 56)
	Snider, Barry B. and Zhongping Shi, "Biomimetic Synthesis of the Central Tricyclic Portion of Ptilomycalin A," <i>Tetrahedron Letters</i> , 34:2099-102, 1993 (Exhibit 57)
	Snider, Barry B. and Zhongping Shi, "Biomimetic Synthesis of the Pentacyclic Nucleus of Ptilomycalin A," <i>Journal of the American Chemical Society</i> , 116:549-57, 1994 (Exhibit 58)

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